

Claims

1. Use of a solid, semi-solid or liquid formulation of botulinum toxin for the preparation of a medicament intended to treat a disorder characterised by bladder spasms wherein said medicament is for administration without using an injection into the bladder wall.
- 5 **2.** Use according to claim 1, wherein the disorder characterised by bladder spasms is selected from the group consisting of urinary incontinence due to unstable bladder or unstable detrusor sphincter, voiding complications due to detrusor overactivity or unstable detrusor sphincter, urinary retention secondary to spastic sphincter or hypertrophied bladder neck and neurogenic bladder dysfunction secondary to
10 Parkinson's disease, spinal cord injury, stroke or multiple sclerosis or characterised by a spasm reflex.
- 3.** Use according to claim 1 or 2, wherein the medicament prepared is in the form of a liquid or semi-solid formulation intended to be administered through infusion into the bladder or a solid, a gel formulation intended to be deposited at the appropriate
15 location of the patient's bladder, a spray formulation intended to be administered through spraying at the appropriate location of the patient's bladder or a solid, semi-solid or liquid botulinum toxin formulation spread on the outer wall of a balloon intended to be inflated inside the bladder.
- 4.** Use according to claim 3, wherein the medicament prepared is a liquid or
20 semi-solid formulation for administration through infusion into the bladder.
- 5.** Use according to claim 4, wherein the liquid or semi-solid formulation has a volume of 20 to 80 ml.
- 6.** Use according to claim 3, wherein the liquid or semi-solid formulation contains from 100 to 2500 units of botulinum toxin type A.
- 25 **7.** Use according to claim 3, wherein the liquid or semi-solid formulation contains from 4,000 to 50,000 units of botulinum toxin type B.
- 8.** Use according to claim 3, wherein the medicament prepared is in the form of a gel formulation.
- 9.** Use according to claim 3, wherein the medicament prepared is in the form of a
30 spray formulation.

10. Use according to claim 3, wherein the medicament prepared is in the form of a solid, semi-solid or liquid botulinum toxin formulation spread on the outer wall of a balloon intended to be inflated inside the bladder.

11. A method of treatment of a disorder characterised by bladder spasms, wherein
5 the disorder characterised by bladder spasms is selected from the group consisting of urinary incontinence due to unstable bladder or unstable detrusor sphincter, voiding complications due to detrusor overactivity or unstable detrusor sphincter, urinary retention secondary to spastic sphincter or hypertrophied bladder neck and neurogenic bladder dysfunction secondary to Parkinson's disease, spinal cord injury,
10 stroke or multiple sclerosis or characterised by a spasm reflex: wherein a patient requiring said treatment is administered with a therapeutically effective dose of a solid, semi-solid or liquid formulation of botulinum toxin, wherein said formulation is administered without using an injection into the bladder wall.

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